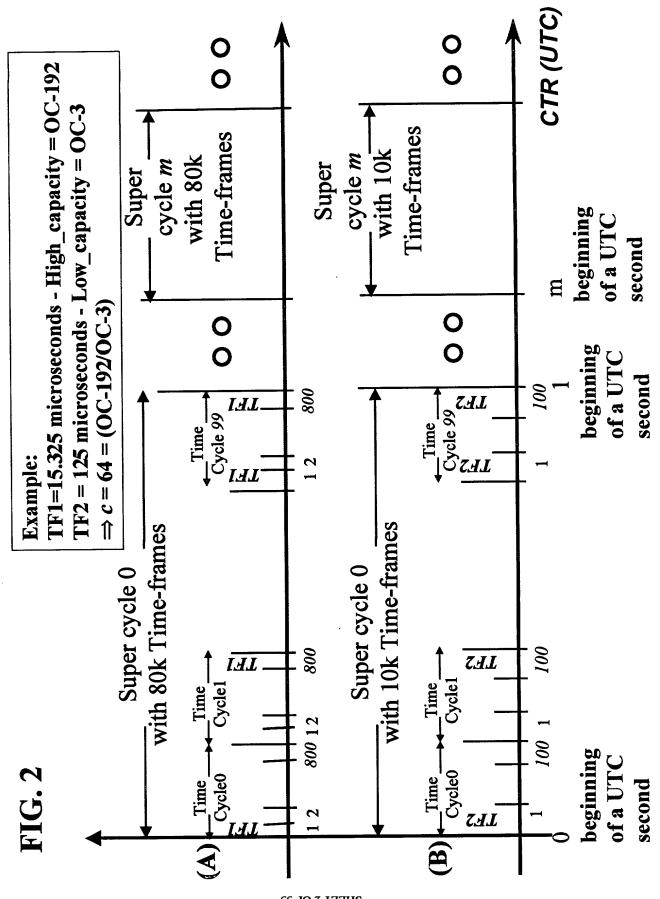


PATENT APPLICATION

PATENT APPLICATION

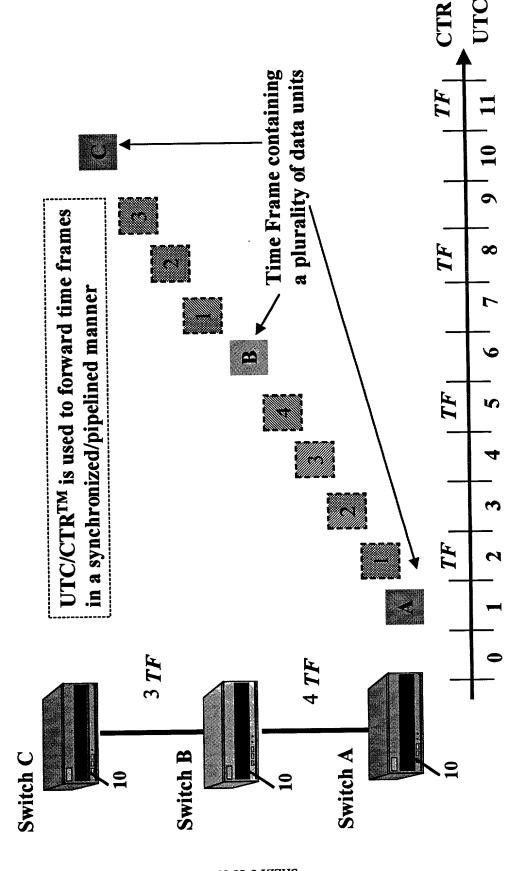


PATENT APPLICATION

SHEET 2 OF 35

SHEET 2 OF 35

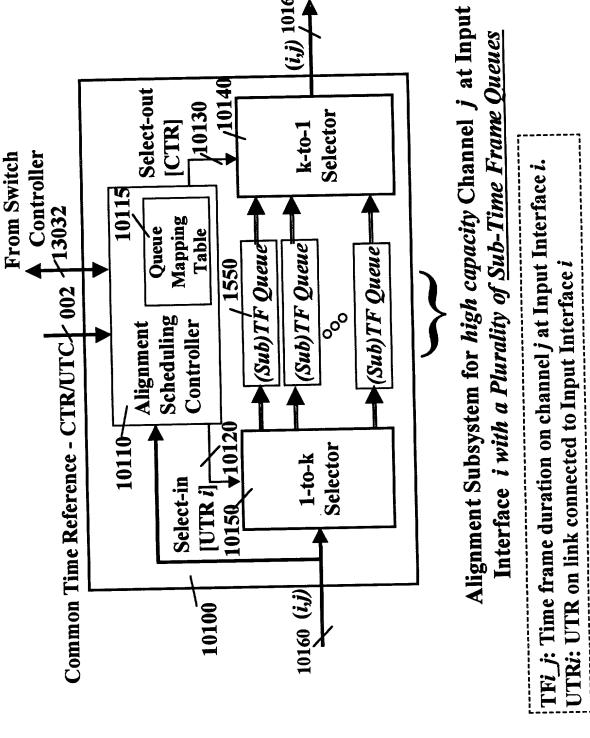
FIG. 3



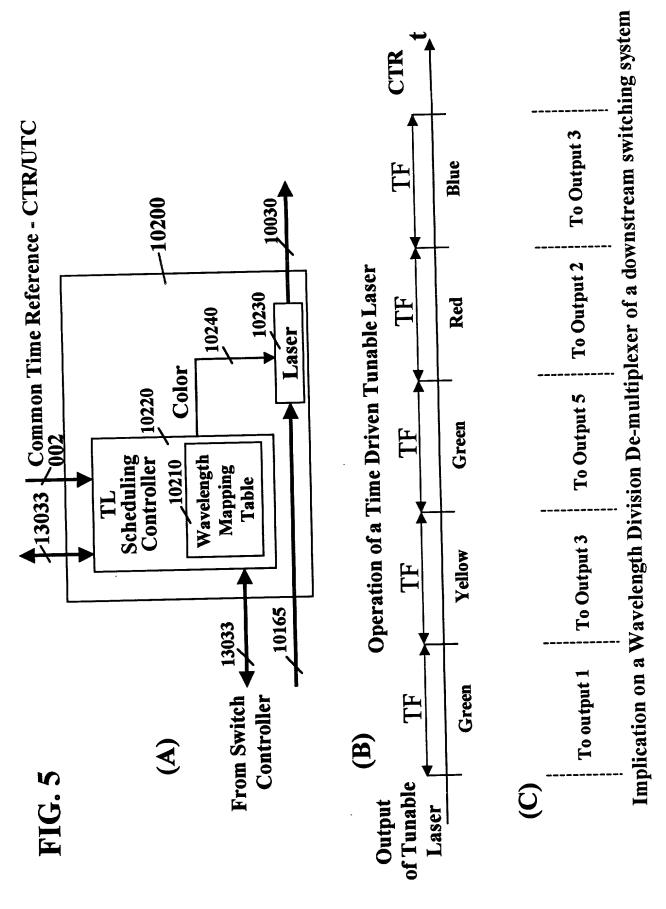
PATENT APPLICATION

SHEET 3 OF 35

SHEET 3 OF 35



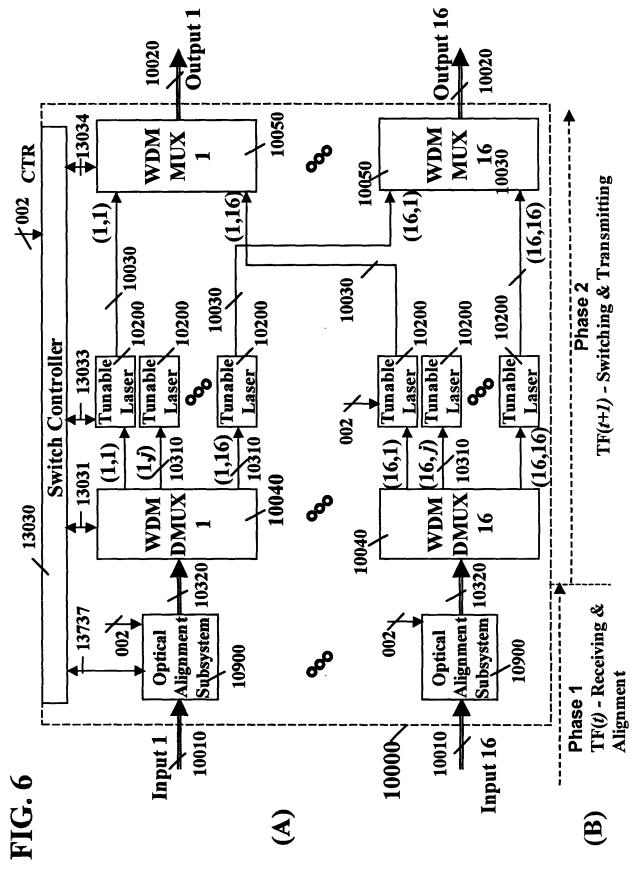
PATENT APPLICATION *PATENT APPLICATION* *PATENT APPLICATION*



PATENT APPLICATION

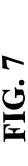
PATENT APPLICATION

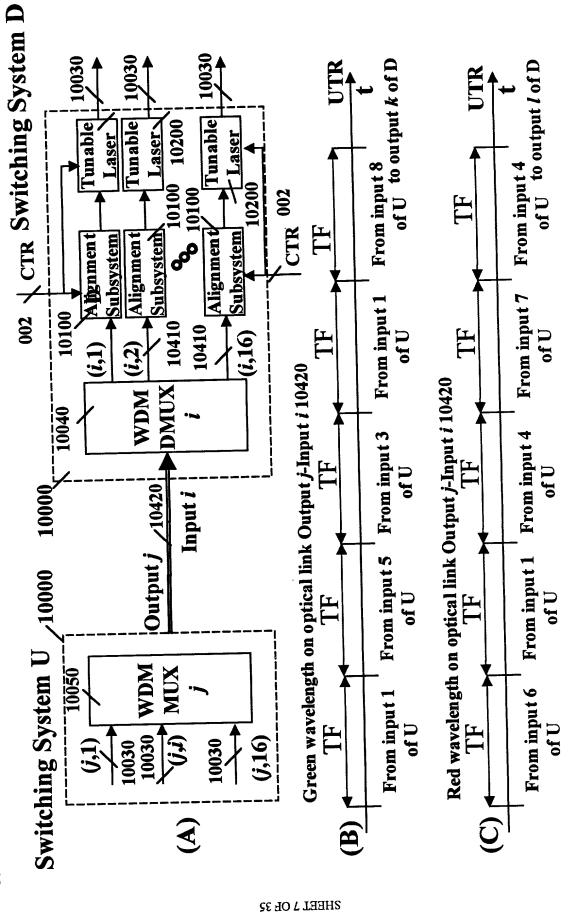
PATENT APPLICATION



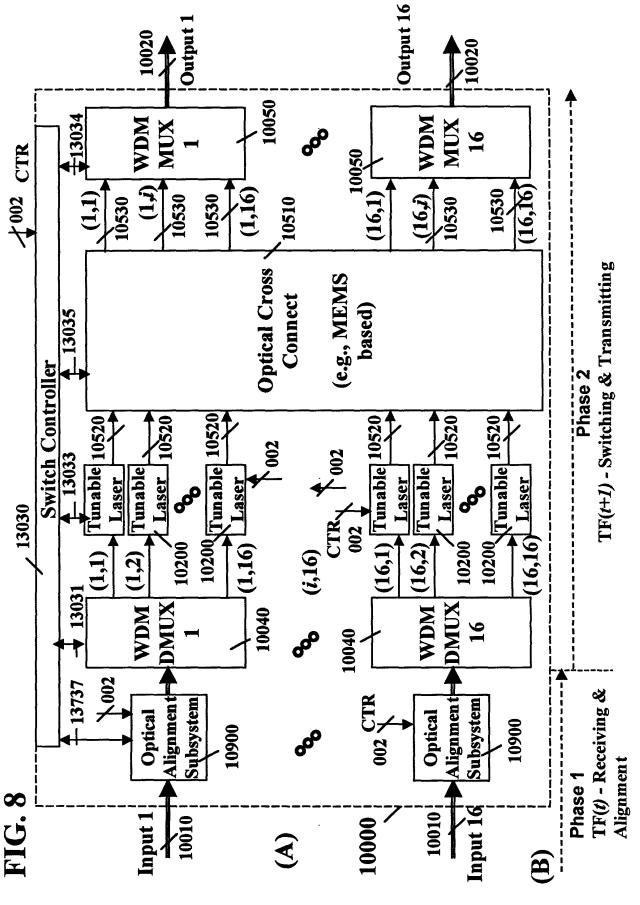
PATENT APPLICATION

PATENT APPLICATION



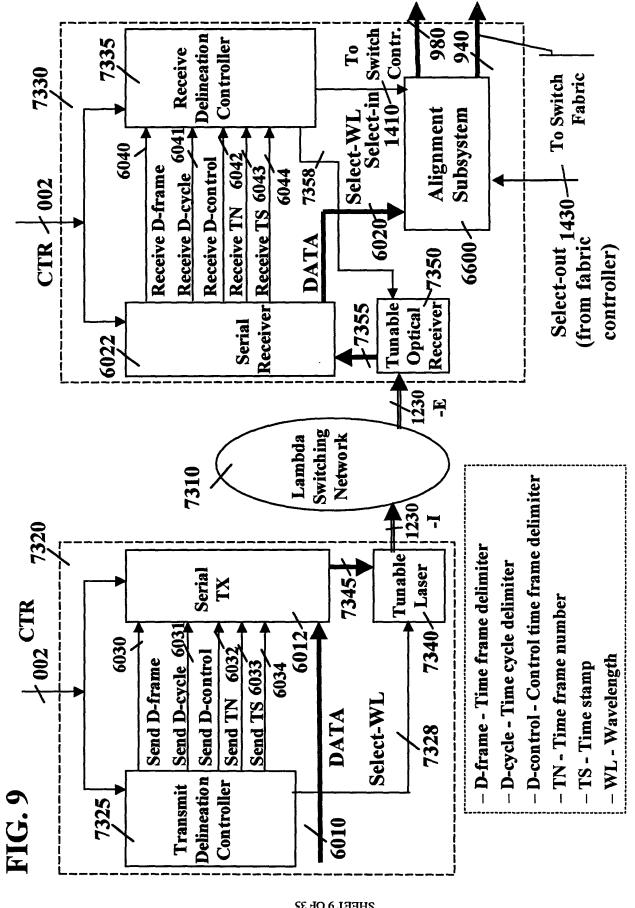


VLLOKNEX DOCKEL NO: 2XN 1780 OFEK ET AL. *FATENT APPLICATION*



PATENT APPLICATION

PATENT APPLICATION

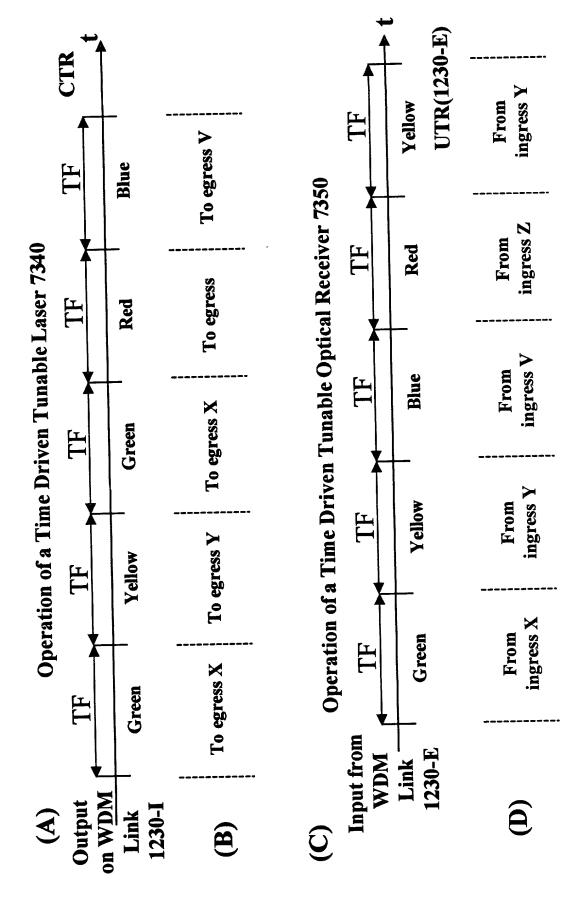


PATENT APPLICATION

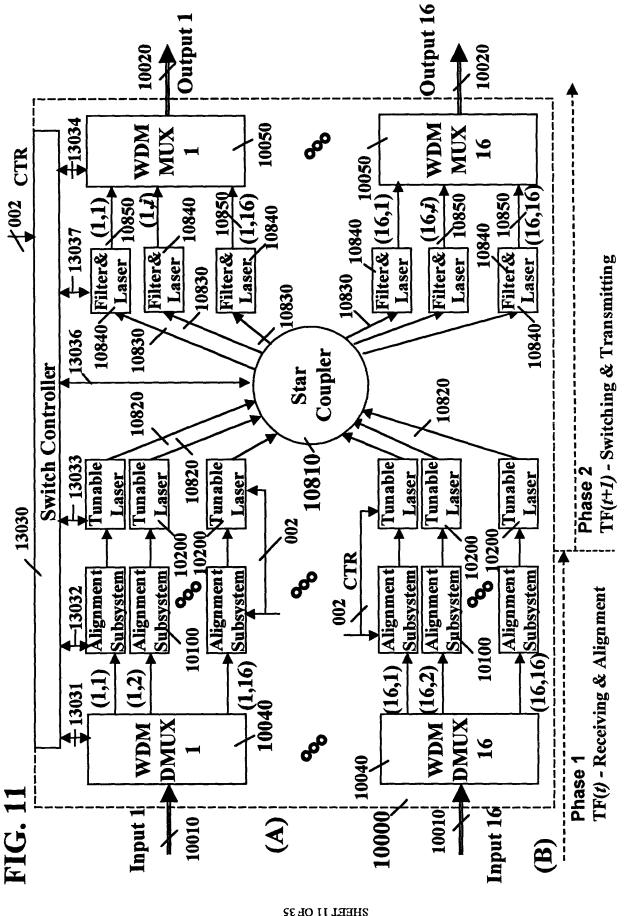
OFEK ET AL.

SHEET 9 OF 35

FIG. 10

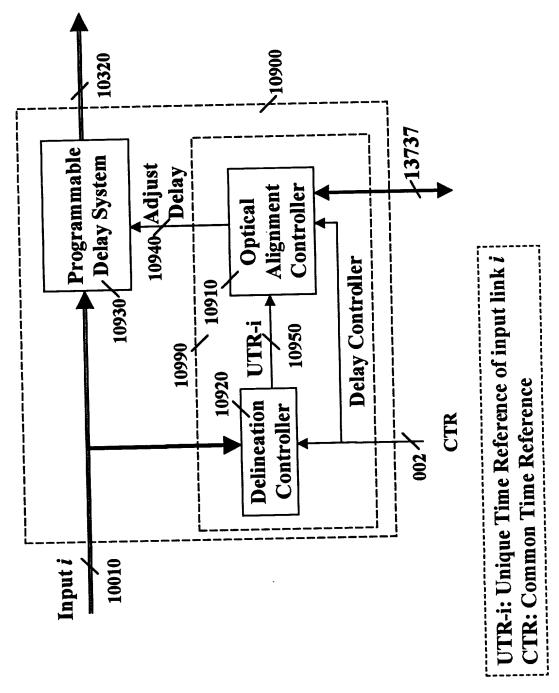


PATENT APPLICATION
OFEK ET AL.
SHEET 10 OF 35



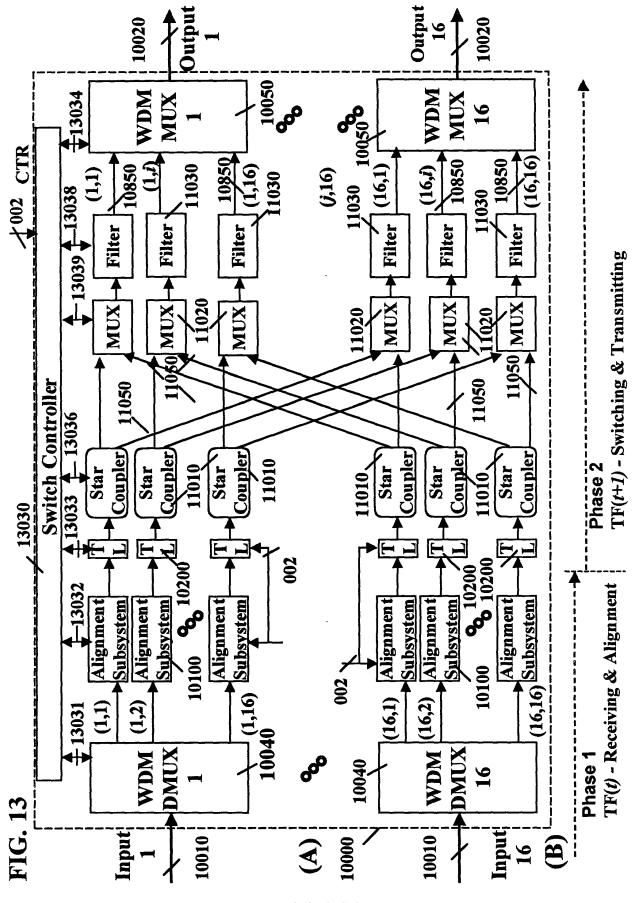
PATENT APPLICATION
OPEK ET AL.
OPEK ET AL.

FIG. 12



PATENT APPLICATION

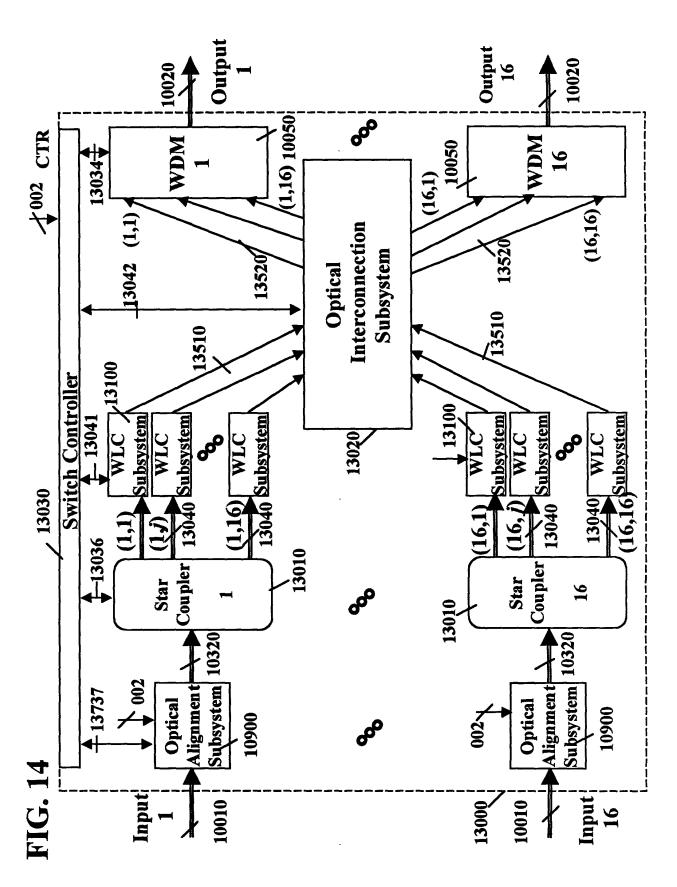
SPATENT APPLICATION*



PATENT APPLICATION

OFEK ET AL.

SHEET 13 OF 35

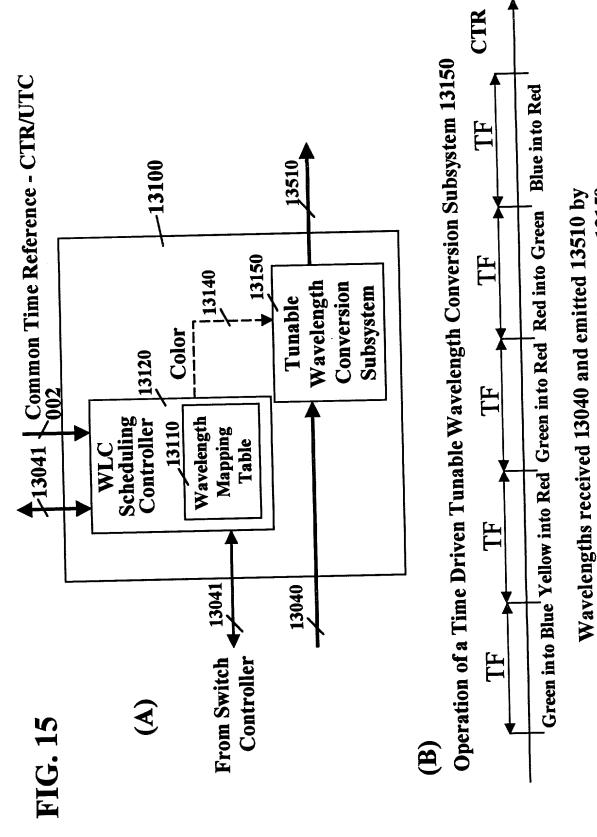


PATENT APPLICATION

SHEET 14 OF 35

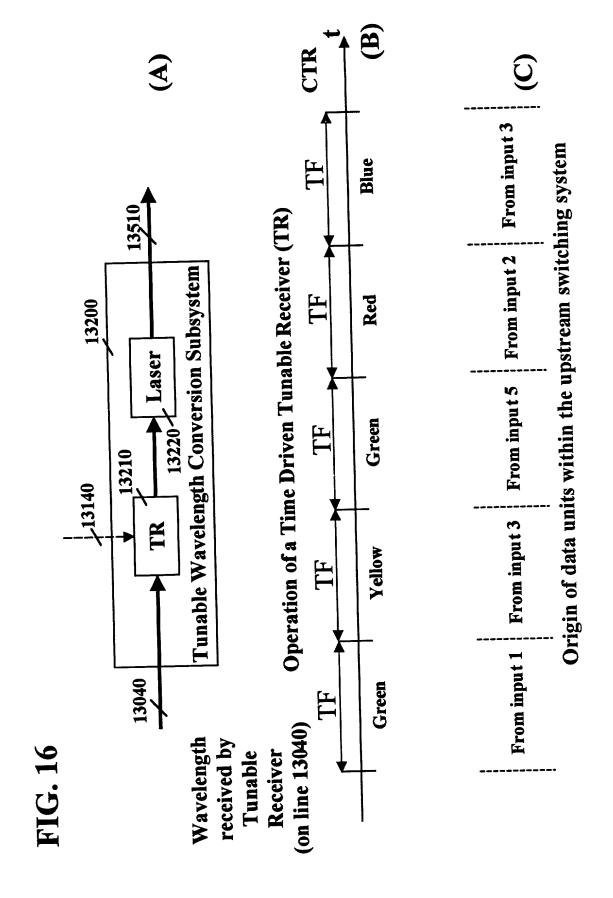
OFEK ET AL.

PATENT APPLICATION



Tunable Wavelength Conversion Subsystem 13150

2HEEL 12 OE 32 VLLOKNEK DOCKEL NO:: 2KN 1/80 OEEK EL YT: *bYLENL YBBI'ICYLION*

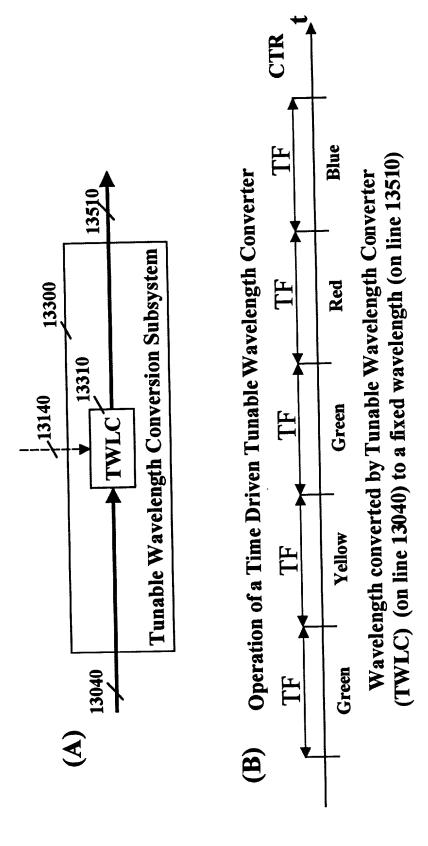


PATENT APPLICATION

OPEK ET AL.

SHEET 16 OF 35

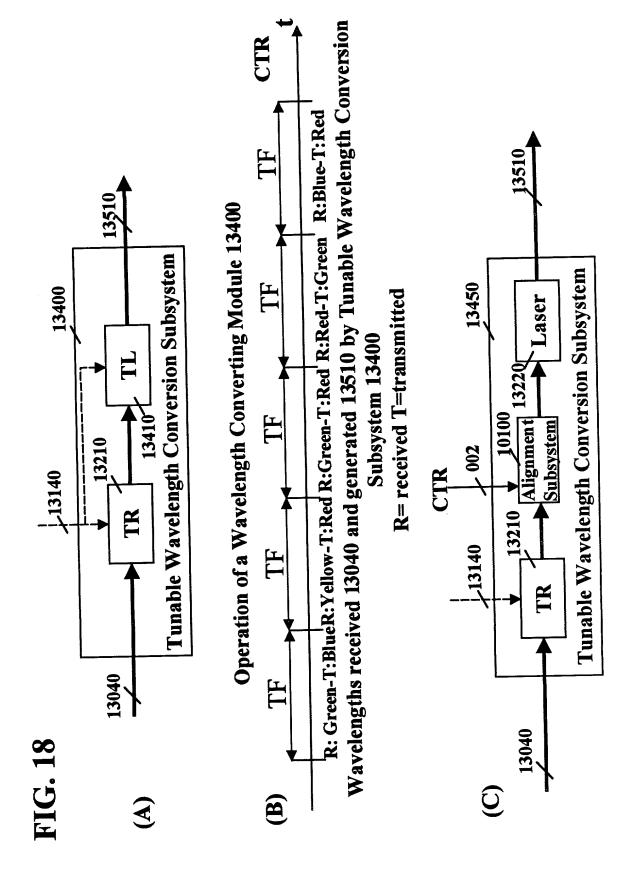
FIG. 17



PATENT APPLICATION

SHEET 17 OF 35

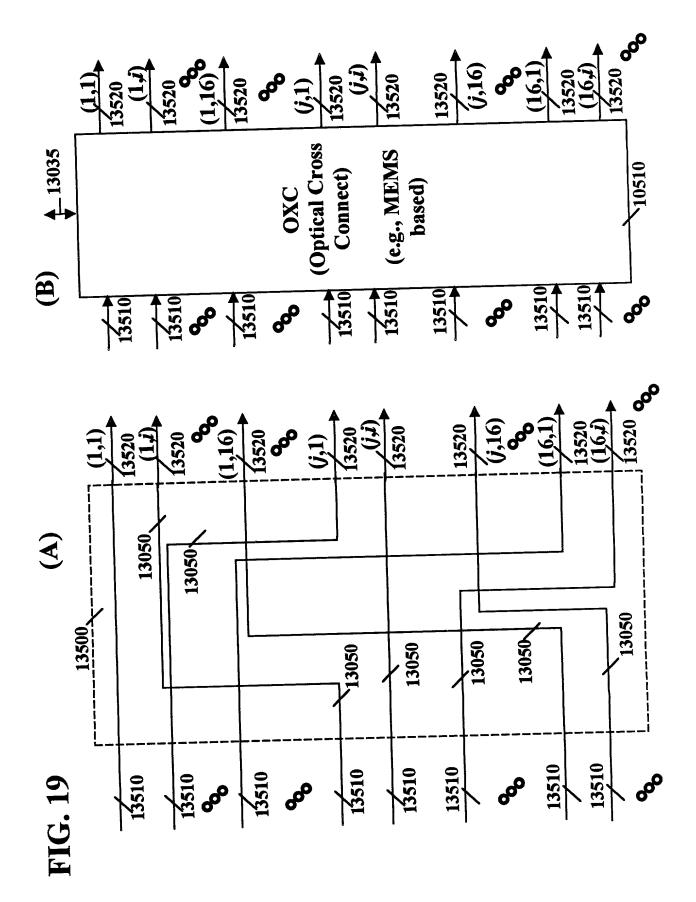
SHEET 17 OF 35



PATENT APPLICATION

SPATENT APPLICATION*

PATENT APPLICATION

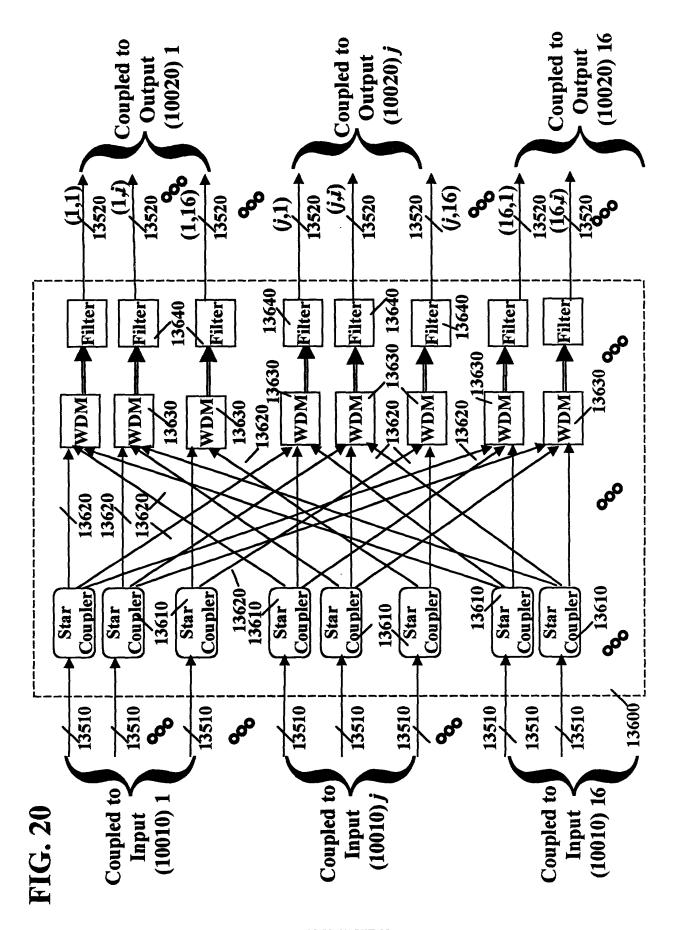


PATENT APPLICATION

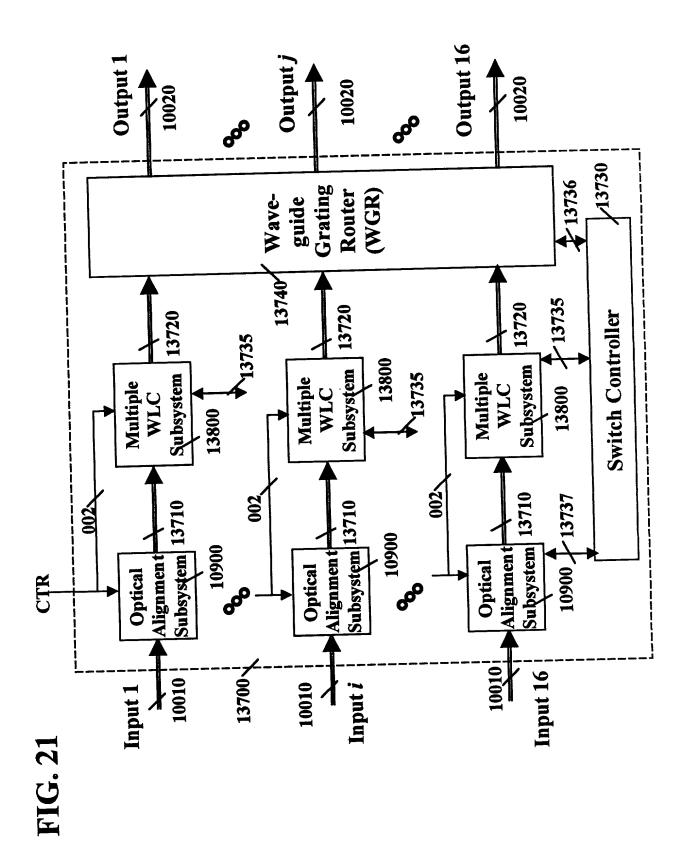
SHEET 19 OF 35

OFEK ET AL.

SHEET 19 OF 35

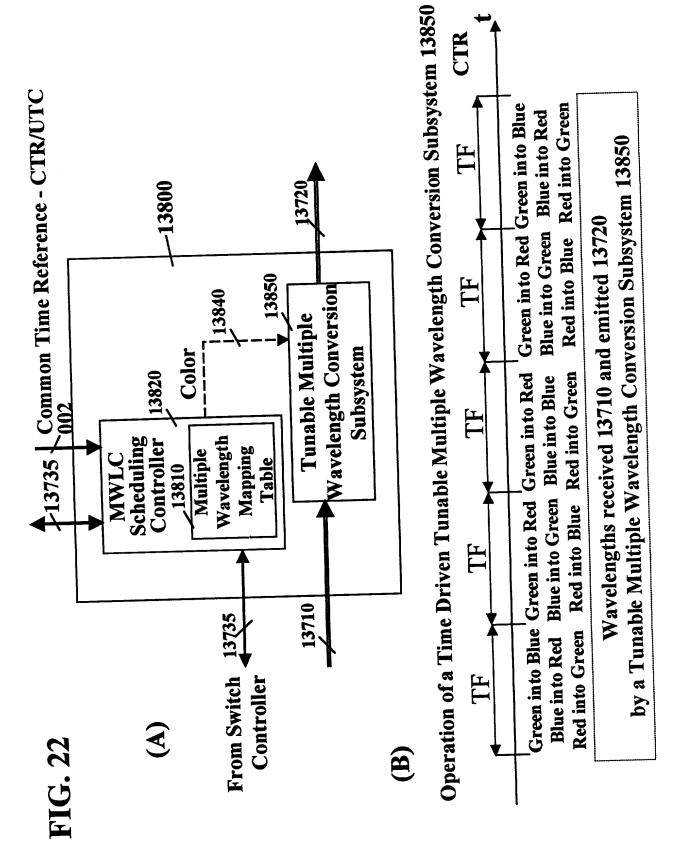


SHEEL TO OE 32
OLEK EL AT:
OLEK EL AT:
APLENT PARTICATION

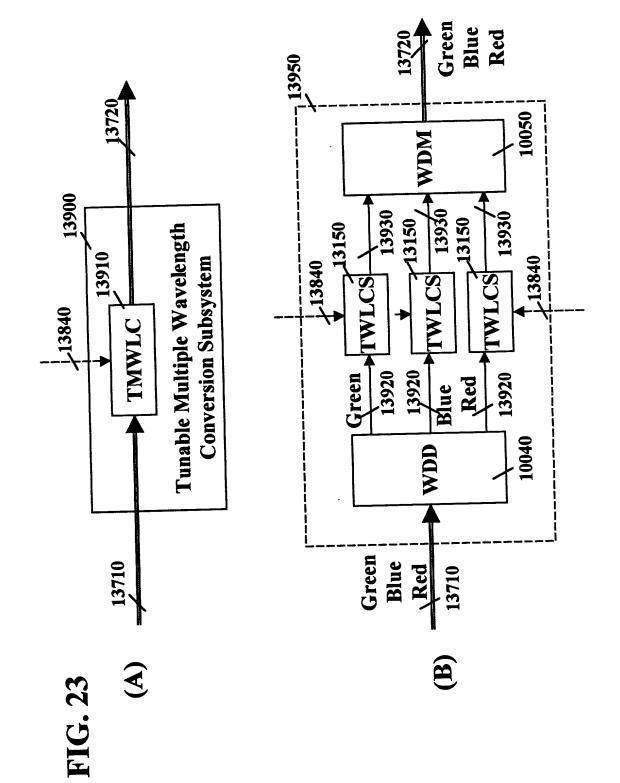


PATEUT APPLICATION

PATEUT APPLICATION



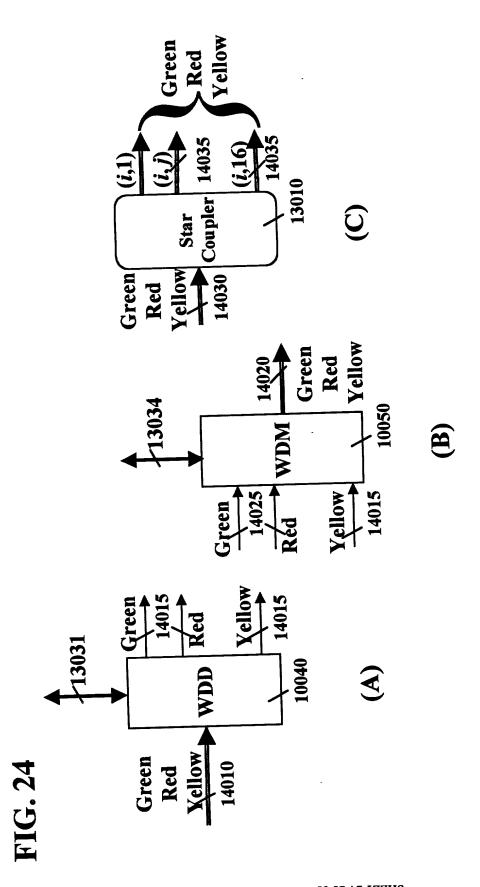
PATENT APPLICATION *PATENT APPLICATION* *PATENT APPLICATION*



PATENT APPLICATION

ATTORNEY DOCKET NO.: SYN 1780

SHEET 23 OF 35

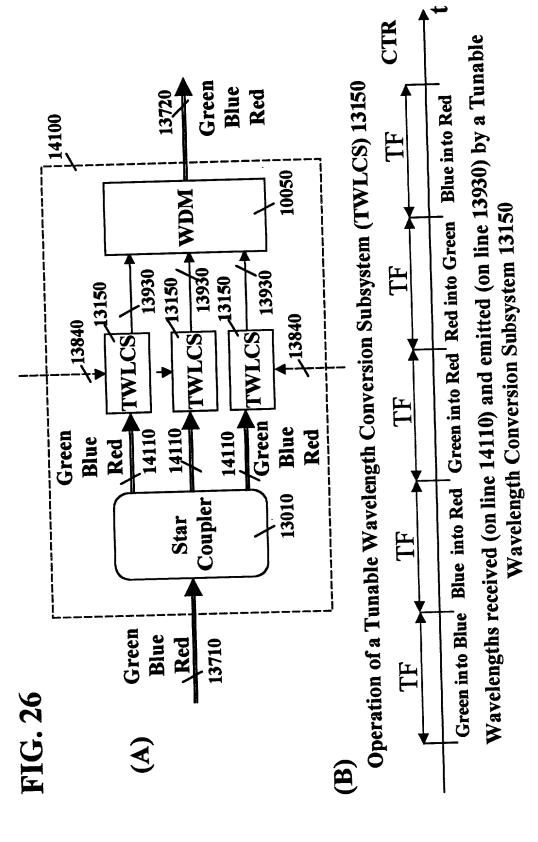


SHEEL 34 OF 35
ATTORNEY DOCKET NO.: SYN 1780
PATENT APPLICATION

PATENT APPLICATION

PATENT APPLICATION

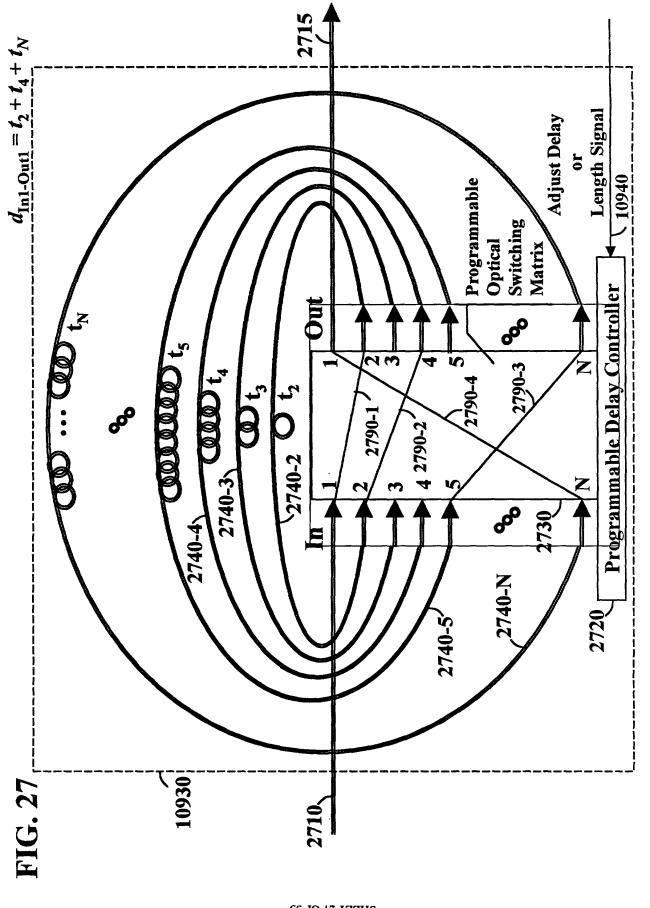
Green (from 3) Green (from 2) (B) Green(from 1) Rue (from 1) Blue (from 3) Red (from 2) Rue (from 2) Red (from 1) Red (from 3) 14065-2 14065-1 guide Grating (WGR) Router Wave-13740 Green Blue 14060-3 Red Green 14060-2 Green 14060-1 Blue Red Red 14045 13640 Kellow Green 14040 Red (4055-1 Green æ Red Cross Connect 50-i (OXC) Optical 10510 14050-N FIG. 25 14050-i 14050-2 14050-1 Red Green Red **(Y**)



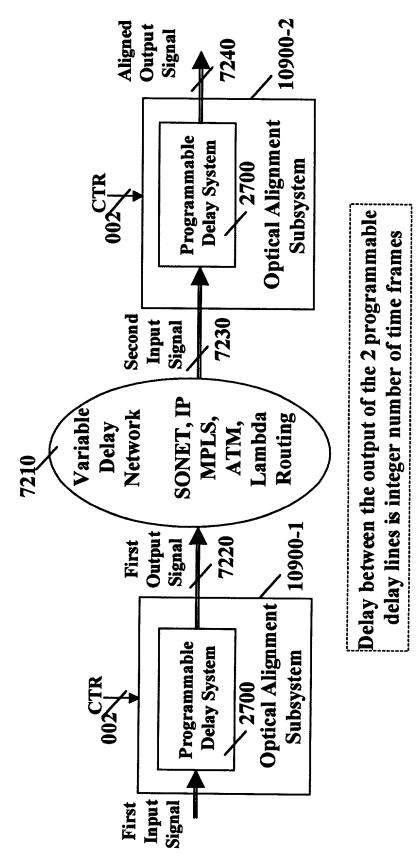
PATENT APPLICATION

SHEET 26 OF 35

SHEET 26 OF 35



PATENT APPLICATION
OPEK ET AL.
SHEET 27 OF 35



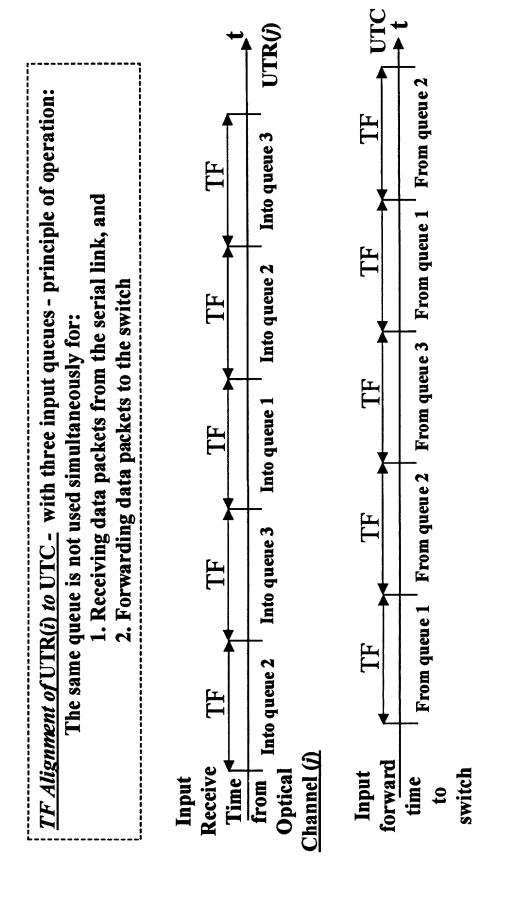
PATENT APPLICATION

SHEET 28 OF 35

OFEK ET AL.

SHEET 28 OF 35

FIG. 29



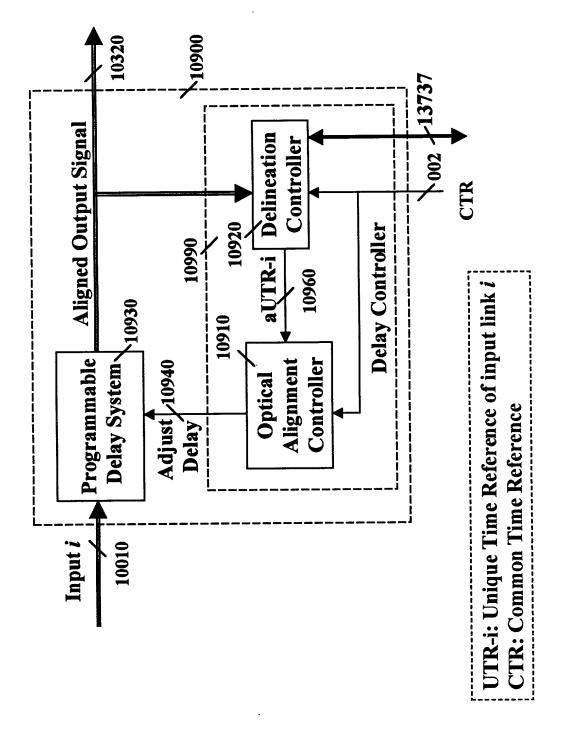
PATENT APPLICATION

OPEK ET AL.

OPEK ET AL.

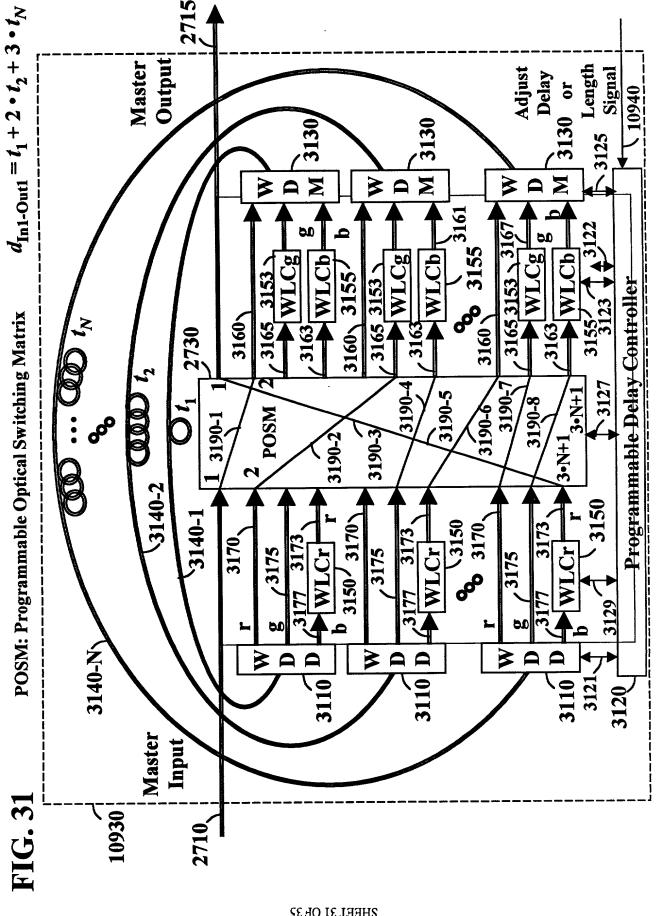
SHEET 29 OF 35

FIG. 30



PATENT APPLICATION

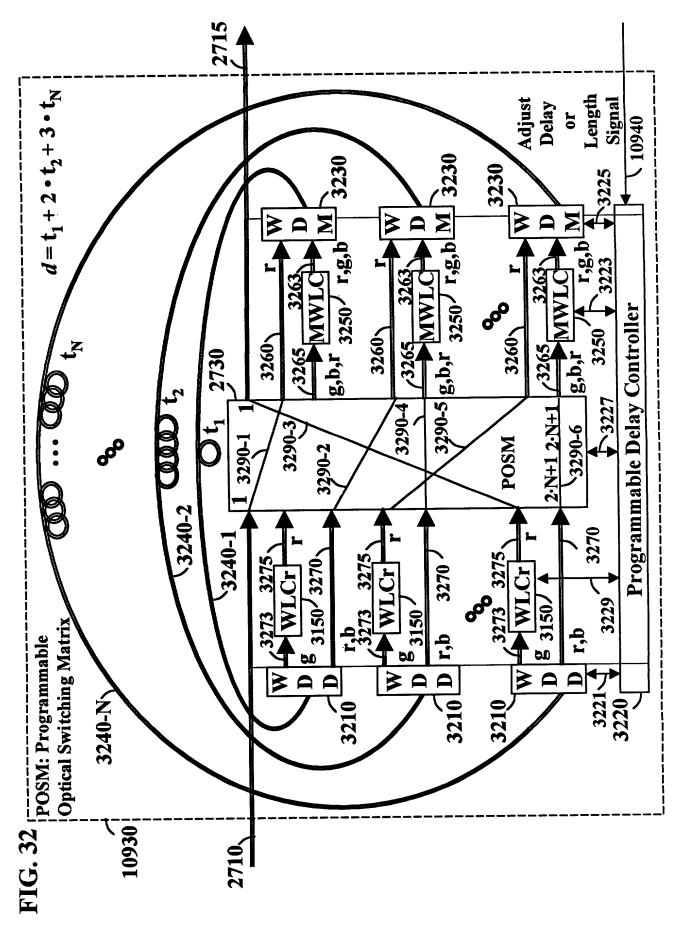
PATENT APPLICATION



PATENT APPLICATION

OPEK ET AL.

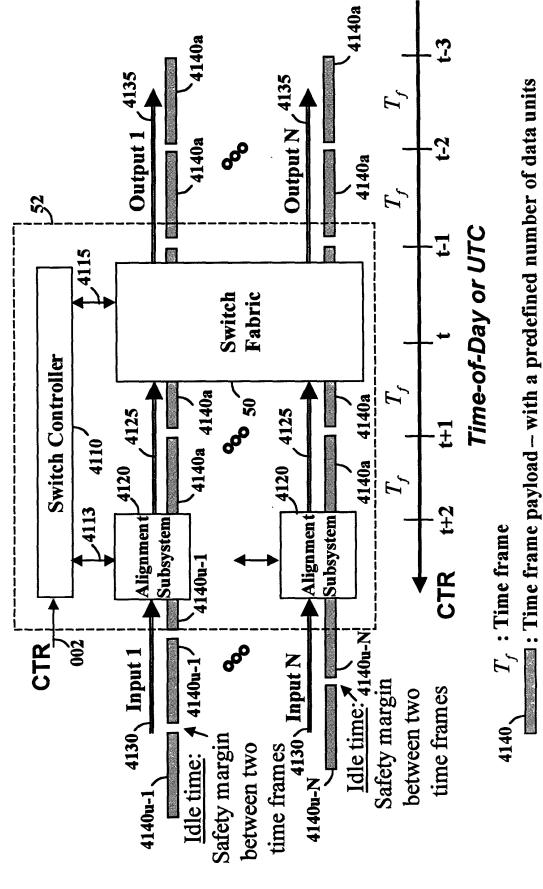
OPEK ET AL.



PATEUT APPLICATION

PATEUT APPLICATION

FIG. 33



PATENT APPLICATION

SHEET 33 OF 35

PATENT APPLICATION

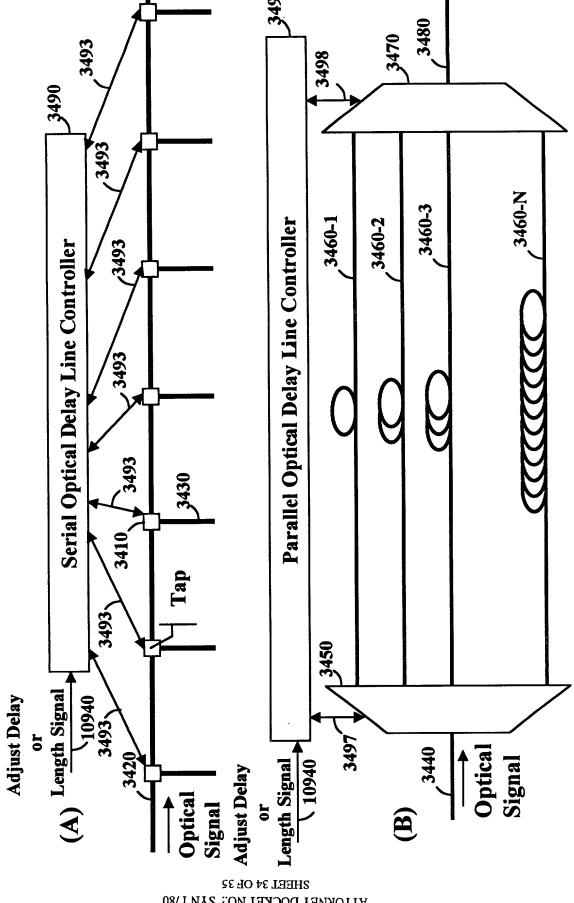
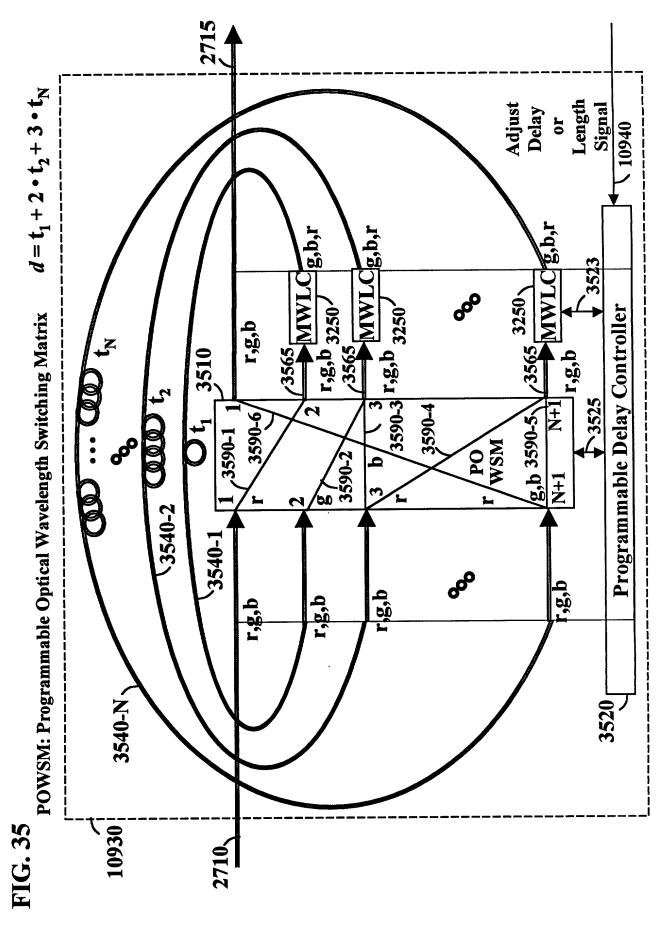


FIG. 34

PATENT APPLICATION

SHEET 34 OF 35

STEAT APPLICATION*



PATENT APPLICATION
OPEK ET AL.
OPEK ET AL.
SHEET 35 OP 35